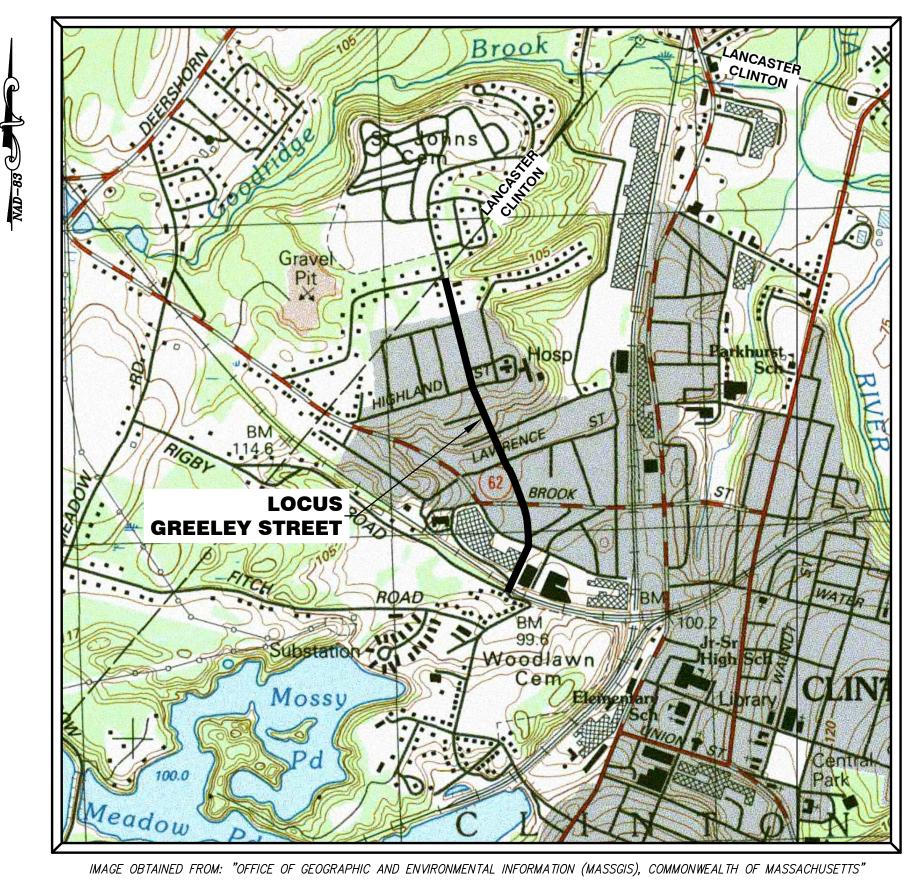
TOWN OF CLINTON, MASSACHUSETTS GREELEY STREET ROADWAY IMPROVEMENT PROJECT MARCH 31, 2021

TOWN OF CLINTON

DEPARTMENT OF PUBLIC WORKS, SUPERINTENDENT



LOCUS PLAN

SCALE : $1" = 1,000' \pm$



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BID SET

WILMINGTON, MASSACHUSETTS

> PLAN 1 OF 8 DATE: MARCH 31, 2021

GCG ASSOCIATES INC.

CONSULTING

ENGINEERS

GENERAL NOTES

- 1. PLANS AND TOPOGRAPHIC INFORMATION ARE PREPARED FROM A GROUND INSTRUMENT SURVEY PERFORMED BY GCG ASSOCIATES, INC. JANUARY 2017 TO MARCH 2020.
- 2. THE LOCATIONS AND ELEVATIONS SHOWN REFER TO MASSACHUSETTS STATE PLANE COORDINATE SYSTEM. (NAD 83-NAVD 88).
- 3. CONTOUR INTERVAL: 1 FOOT
- 4. PROPERTY LINES AND SIDELINES WERE ESTABLISHED, APPROXIMATELY, FROM MASS GIS DATA LAYERS.
- 5. THE LOCATIONS OF SUBSURFACE UTILITIES AND STRUCTURES WERE OBTAINED FROM AVAILABLE TOWN AND UTILITY RECORDS. THE SIZE, TYPE AND LOCATION OF UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL PROPERLY LOCATE THE UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN UTILITY INFORMATION BY CONTACTING DIGSAFE (811). THE CONTRACTOR SHALL EXCAVATE TEST PITS TO VERIFY UTILITY LINES.
- 6. SUBSURFACE UTILITY LINES, AS SHOWN HEREON, WERE COMPILED ACCORDING TO AVAILABLE RECORD INFORMATION FROM THE REFERENCED UTILITY COMPANIES AND THE TOWN OF CLINTON. THE LOCATIONS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD. GCG ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.
- 7. GENERALLY THE LINES IN THE PUBLIC AND PRIVATE WAYS ARE SHOWN AND THE LATERAL CONNECTIONS SERVICING INDIVIDUAL USERS ARE NOT SHOWN. BEFORE DESIGNING FUTURE CONNECTIONS, THE APPROPRIATE UTILITIES MUST BE CONSULTED.
- 8. BEFORE CONSTRUCTION, ALL UTILITIES, PUBLIC AND PRIVATE MUST BE NOTIFIED (SEE MASSACHUSETTS GENERAL LAWS, CHAPTER 82 SECTION 40.) CALL "DIG SAFE" (811) HTTP: //WWW.DIGSAFE.COM
- 9. WATER MAINS ARE ASSUMED TO BE 5 FEET BELOW THE EXISTING GROUND SURFACE. GAS LINES ARE ASSUMED TO BE 3 FEET BELOW THE EXISTING GROUND SURFACE. TELEPHONE AND ELECTRIC CONDUIT ARE ASSUMED TO BE 2 FEET BELOW THE EXISTING GROUND SURFACE.
- 10. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A CONSTRUCTION SCHEDULE DELINEATING THE SEQUENCE OF WORK, TRAFFIC MANAGEMENT PLAN AND ESTIMATED TIME OF COMPLETION OF EACH SEGMENT OF WORK, PRIOR TO THE COMMENCEMENT OF WORK.
- 11. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS TRAFFIC FLOW DURING CONSTRUCTION SATISFACTORY TO THE ENGINEER AND THE TOWN OF CLINTON. NO EQUIPMENT SHALL BE ALLOWED TO BE PARKED ON THE ROAD WHEN NOT IN USE. MATERIALS SHALL NOT BE STOCKPILED ON THE ROAD.
- 12. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES AND PROCEDURES, AND FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH ALL WORK INCLUDED UNDER THIS CONTRACT. THE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SAFETY BARRIERS, WARNING FLASHERS AND THE LIKE, AS REQUIRED BY THE CONDUCT OF THE WORK FOR THE PROTECTION OF WORKERS AND NON-WORKERS ALIKE. THE CONTRACTORS ATTENTION IS DIRECTED TO OSHA REQUIREMENTS.
- 13. ALL CONSTRUCTION SIGNING SHALL CONFORM TO THE REQUIREMENTS OF THE STATE OF MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 14. PRIOR TO THE PROPOSED CONSTRUCTION ON GREELEY STREET, THE CONTRACTOR SHALL SUBMIT FOR REVIEW BY THE TOWN, A TRAFFIC MANAGEMENT PLAN IN COMPLIANCE WITH MASSDOT AND MUTCD. SAID PLAN WILL SHOW HOW TRAFFIC FLOW WILL BE HANDLED DURING CONSTRUCTION. PAYMENT UNDER THE ASSOCIATED ITEM.
- 15. AREAS OF BASE AND BINDER PAVEMENT WHICH NEED TO BE REPLACED AFTER MILLING SHALL BE EXCAVATED AND REPAVED AT THE DIRECTION OF THE TOWN. THE EXCAVATION SHALL BE PAID FOR UNDER UNCLASSIFIED EXCAVATION. GRAVEL AND PAVEMENT SHALL BE PAID FOR UNDER THE APPROPRIATE BID ITEM.
- 16. UNCLASSIFIED EXCAVATION SHALL INCLUDE REMOVAL OF SOIL, CONCRETE AND BITUMINOUS CONCRETE, AND ANY OTHER MATERIAL ENCOUNTERED EXCEPT ROCK.
- 17. THE EXACT LOCATION THAT EACH DRIVEWAY SHALL BE CUT BACK SHALL BE DETERMINED IN THE FIELD.

TREE REMOVAL AND TRIMMING NOTES

- 1. THE CONTRACTOR SHALL REMOVE TREES AND STUMPS AS IDENTIFIED ON PLANS AND SHALL NOT REMOVE ANY TREES UNTIL APPROVED BY THE
- 2. ALL TREE AND ROOT REMOVAL AND TREE TRIMMING SHALL BE PERFORMED BY A MASSACHUSETTS CERTIFIED ARBORIST.
- 3. ROOTS ON TREES WHICH ARE IMPACTING THE SAFETY OF THE STREET OR AFFECTING SIDEWALKS SHALL BE REMOVED BY THE CONTRACTOR.
- 4. THE CONTRACTOR SHALL REMOVE OVERGROWN VEGETATION ALONG SIDEWALKS AS NEEDED.
- 5. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED.

GREELEY STREET RECONSTRUCTION NOTES

- 1. ALL TRENCHES WILL BE PUDDLED OR JETTED WITH WATER TO ALLOW PROPER SETTLEMENT. TRENCHES THAT CANNOT BE JETTED WILL BE MECHANICALLY COMPACTED AS DETERMINED BY THE ENGINEER. ALL TRENCHES WILL BE COMPACTED TO 95% COMPACTION. INCLUDE PAYMENT UNDER ASSOCIATED ITEM.
- 2. AFTER THE COMPACTION PROCESS IS COMPLETED, THE CONTRACTOR SHALL MAINTAIN TRENCH GRAVEL FLUSH TO EXISTING GRADE UNTIL GREELEY STREET IS RECONSTRUCTED IF REQUIRED BY THE ENGINEER, TRENCH PAVING SHALL BE INSTALLED TO STABILIZE AREAS AS NEEDED.
- 3. PRIOR TO RECLAIMING, THE CONTRACTOR SHALL COMPLETE ALL EXCAVATING AND PREPARING SUBGRADE REQUIRED TO PULVERIZE THE PAVEMENT AND SHALL LOWER ALL CASTINGS AS SPECIFIED IN THE CONTRACT SPECIFICATIONS.
- 4. THE ROADWAY SHALL BE RECLAIMED TO A MINIMUM DEPTH OF 16" WITHIN THE SPECIFIED LIMITS. THE EXISTING PAVEMENT SHALL BE PULVERIZED TO THE POINT WHERE NO MATERIAL IS GREATER THAN 3".
- 5. THE CONTRACTOR SHALL RECLAIM THE ENTIRE WIDTH OF EXISTING PAVEMENT. THE LIMITS (EDGE OF PAVEMENT) OF THE EXISTING PAVED SURFACE ARE SHOWN IN THE PLAN VIEW OF THESE CONSTRUCTION DRAWINGS.
- AFTER PULVERIZING THE ROADWAY ASPHALT PAVEMENT AND UNDERLYING MATERIALS THE CONTRACTOR SHALL REMOVE AND STOCKPILE (WINDROW) THE RECLAIMED MATERIAL. THE CONTRACTOR SHALL THEN EXCAVATE AND REMOVE THE NECESSARY SUBGRADE MATERIAL IN ORDER TO MEET THE FINAL GRADES OF THE ROADWAY. THE CONTRACTOR SHALL THEN PLACE, GRADE AND COMPACT THE EXISTING RECLAIMED BASE COURSE TO A 12" DEPTH AS SHOWN ON THE TYPICAL ROADWAY CROSS SECTION. THE SUBBASE SHALL THEN BE FINE GRADED AND COMPACTED TO ALLOW FOR THE PLACEMENT OF: 2-1/2" BASE COURSE (BINDER COURSE PAVEMENT M3.11.03 TABLE "A") AND 1-1/2" WEARING COURSE (TOP COURSE PAVEMENT M3.11.03 TABLE "A")
- 7. THE CONTRACTOR SHALL GRADE THE EXISTING RECLAIMED SUBBASE MATERIAL OR GRAVEL BORROW MATERIAL TO ALLOW THE FINAL PAVEMENT SURFACE TO MATCH THE EXISTING EDGE OF PAVEMENT GRADES UNLESS OTHERWISE NOTED. ANY GRADING MODIFICATIONS SHALL DIRECT DRAINAGE TOWARDS THE CLOSED DRAINAGE SYSTEM AND AWAY FROM PRIVATE PROPERTY.
- 8. ALL PROPOSED CUTS AND FILLS REQUIRED TO GRADE THE RECLAIMED MATERIAL TO A 12" DEPTH SHALL BE INCLUDED FOR PAYMENT UNDER THE ASSOCIATED RECLAIM ITEM.
- 9. ALL DRAINAGE AND UTILITY CASTINGS SHALL BE LOWERED OR REMOVED AND PLATED PRIOR TO RECLAIMING THE ROADWAY. ALL STRUCTURES MUST BE LOWERED TO A DEPTH OF 6 INCHES BELOW THE BOTTOM OF THE PROPOSED RECLAIMED BASE COURSE AND ACCOMMODATE ALL CUTS AND FILLS.
- 10. THE CONTRACTOR SHALL FINE GRADE THE EXISTING RECLAIMED BASE COURSE MATERIAL NO MORE THAN 24 HOURS PRIOR TO THE PLACEMENT OF THE 2 1/2" BASE COURSE PAVEMENT. ALL GRADING, COMPACTION AND DUST CONTROL ASSOCIATED WITH FINE GRADING TO BE INCLUDED IN THE ASSOCIATED ITEM.
- 11. THE CONTRACTOR SHALL STOCKPILE AND RETAIN SUFFICIENT SURPLUS SUBBASE AND RECLAIMED PAVEMENT MATERIALS TO USE AS NEEDED IN THE ENTIRE PROJECT AREA. THE COSTS ASSOCIATED WITH THE EXCAVATION, PLACEMENT AND DISPOSAL OF SURPLUS SUBBASE MATERIAL SHALL BE INCLUDED IN THE RECLAIM ITEM. NO ADDITIONAL PAYMENT FOR PLACEMENT SHALL BE MADE. SURPLUS SUBBASE AND RECLAIMED PAVEMENT SUBBASE MATERIAL SHALL BE USED ONSITE PRIOR TO IMPORTING GRAVEL BORROW MATERIAL. ANY EXCESS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO ADDITIONAL PAYMENT FOR PLACEMENT OR DISPOSAL SHALL BE MADE.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPACTION TESTING.
 TESTING SHALL BE PERFORMED AT INTERVALS OF 100 FEET ALONG THE
 ROADWAY. SEE SPECIFICATIONS FOR COMPACTION CONTROL AND TESTING.
- 13. PRIOR TO COMPLETING FINAL GRADING OF THE RECLAIMED BASE COURSE, THE ENGINEER SHALL REVIEW GRADES TO DETERMINE THAT SUFFICIENT CROSS SLOPES AND POSITIVE DRAINAGE FLOWS HAVE BEEN MAINTAINED. IF GRADES NEED TO BE ADJUSTED, THE CONTRACTOR SHALL REGRADE AS DIRECTED.
- 14. CROSS SLOPES AT CATCH BASINS SHALL BE ADJUSTED AS NECESSARY TO ASSURE PROPER DRAINAGE.
- 15. CONTRACTOR SHALL CONTROL DUST DURING CONSTRUCTION BY USING CALCIUM CHLORIDE AS NECESSARY.
- 16. EXISTING SEWER/DRAINAGE STRUCTURES SHALL BE ADJUSTED OR REMODELED AS REQUIRED TO MEET GRADE.
- 17. SHOULDERS OF DRIVEWAY AND PARKING AREAS SHALL BE GRADED FOR A SMOOTH TRANSITION FROM THE PROPOSED EDGE OF PAVEMENT/CURB TO THE EXISTING GRADE.

RAISING CASTINGS

- PRIOR TO RECLAIMING THE EXISTING PAVEMENT, ALL CASTINGS SHALL BE REMOVED AND STRUCTURES PLATED AT A 16" MINIMUM DEPTH.
- 2. ALL CASTINGS WILL BE RAISED TO BINDER GRADE AFTER PLACEMENT OF THE 2 1/2" BINDER PAVING COURSE.
- 3. ALL CASTINGS WILL BE RAISED TO FINISH GRADE PRIOR TO PLACEMENT OF THE 1 1/2" FINAL PAVING COURSE.

CATCH BASIN CLEANING NOTES

- 1. ALL CATCH BASINS SHALL BE CLEANED UPON COMPLETION OF WORK. ALL ACCUMULATED SEDIMENT, DEBRIS, ORGANIC MATTER, ETC. SHOULD BE REMOVED FROM CATCH BASINS AND DRAINAGE SYSTEMS.
- 2. ALL SEDIMENT AND DEBRIS REMOVED FROM THE CATCH BASIN OR PIPE LINE SHALL BE PROPERLY HANDLED AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES AND REGULATIONS.
- 3. ANY REQUIRED MAINTENANCE OR REPAIRS NOTED DURING CLEANING SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER IMMEDIATELY.

SITE EROSION & SEDIMENT CONTROL NOTES

- CONSTRUCTION PERIOD SILT SACKS SHALL BE USED AT ALL CATCH BASINS. SILT SACKS SHALL BE KEPT FREE OF SEDIMENT AND DEBRIS, INSPECTED WEEKLY AND REPAIRED PROMPTLY.
- 2. PER 310CMR 10.02(2)(b)1.p. THE ROADS AND DRIVES "MUST BE STABILIZED WITHIN 72 HOURS OF COMPLETION OF THE RECLAMATION.

FINE GRADING AND COMPACTING

- 1. THE CONTRACTOR SHALL FINE GRADE AND COMPACT ALL AREAS IN PREPARATION FOR PAVEMENT, INCLUDING, BUT NOT LIMITED TO THE DRIVEWAY AREAS AND TRANSITION DRIVEWAY AREAS. THE CONTRACTOR SHALL ALSO STRAIGHT CUT ALL EXISTING JOINTS AND EDGES IN PREPARATION FOR FINAL PAVEMENT.
- 2. PAYMENT FOR GRADING AND COMPACTING THE RECONSTRUCTED SIDEWALK SHALL BE INCLUDED IN THE CONTRACT PRICE.
- PAYMENT FOR FINE GRADING AND COMPACTING THE RECONSTRUCTED DRIVEWAY AND PARKING AREAS SHALL BE INCLUDED IN THE CONTRACT PRICE.

MISCELLANEOUS NOTES

- THE CONTRACTOR SHALL CUT JOINTS IN THE EXISTING PAVEMENT AREAS WHERE THE PROPOSED PAVEMENT SHALL MEET TO ALLOW A SMOOTH TRANSITION AFTER PAVING. ALL JOINTS SHALL BE SANDED AND SEALED.
- 2. THE CONTRACTOR WILL INSTALL ALL TEMPORARY SEDIMENTATION BARRIERS AS REQUIRED DURING CONSTRUCTION.
- 3. EXISTING GRATES, FRAMES AND COVERS REMOVED FROM THE WORK SHALL BE DELIVERED TO THE CLINTON RECYCLING CENTER BY THE CONTRACTOR.
- EXISTING PAVEMENT SHALL BE ACCEPTABLE. NO SEPARATE PAYMENTS SHALL BE MADE FOR THIS CUTTING.

4. ALL TRENCHES SHALL BE SAWCUT ONLY. NO OTHER METHOD OF CUTTING THE

- 5. POLICE DETAILS FOR TRAFFIC CONTROL WILL BE PAID FOR DIRECTLY BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE ALL DETAIL ASSIGNMENTS.
- 6. THE CONTRACTOR SHALL LOAM & SEED ALL DISTURBED AREAS.
- 7. THE CONTRACTOR SHALL PROVIDE GENERAL CLEAN—UP TO THE ENTIRE PROJECT SITE, INCLUDE PAYMENT UNDER APPROPRIATE ITEM.
- 8. ALL CASTINGS, GATE BOXES, ETC. DAMAGED DURING CONSTRUCTION SHALL BE SUPPLIED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. THE CONTRACTOR SHALL INCLUDE THE COST IN ALL BID ITEMS.
- 9. THE CONTRACTOR SHALL BE PAID FOR WORK REQUIRED TO SUPPORT OR REMOVE AND REPLACE EXISTING STRUCTURES AND UTILITY LINES ADJACENT TO OR WITHIN THE LIMITS OF TRENCH EXCAVATION UNDER THE MISCELLANEOUS WORK ITEM.
- 10. THE CONTRACTOR SHALL SAWCUT ALL PRIVATE DRIVEWAYS AND SIDEWALKS AS REQUIRED BEYOND THE RIGHT-OF-WAY TO ALLOW FOR PROPER TRANSITIONING TO THE PROPOSED FINISHED SURFACE AS NECESSARY. THE ENGINEER IN THE FIELD SHALL DETERMINE WHICH DRIVEWAYS/SIDEWALKS REQUIRE REMOVAL OF EXISTING PAVEMENT AND REPLACEMENT.

CURB AND SIDEWALK NOTES

- . CONCRETE SIDEWALKS SHALL BE CONSTRUCTED WITH 4000 PSI 3/4" AGGREGATE CEMENT CONCRETE WITH REINFORCEMENT AND WITH A BROOM FINISH ACCORDING TO THE CONSTRUCTION DETAILS AND AS SPECIFIED.
- CEMENT CONCRETE WALKS SHALL BE A OF MINIMUM 4" THICK. CEMENT CONCRETE RAMPS AND DRIVEWAY APRONS SHALL BE A MINIMUM OF 6" THICK.
- 3. ALL GRANITE CURB SHALL BE TYPE VB AS SPECIFIED BY MASSDOT AND SHALL INCLUDE ALL LENGTHS STRAIGHT, RADIUS, TRANSITION AND CURB INLETS.
- 4. NEW AND/OR SALVAGED GRANITE CURBING SHALL BE SET IN ACCORDANCE WITH THE CONSTRUCTION DETAIL PROVIDED IN CONTRACT DRAWINGS.
- 5. NEW AND/OR SALVAGED GRANITE CURBING SHALL BE INSTALLED BY THE CONTRACTOR AT THE NEW PROPOSED GRADES AND EDGE OF ROADWAY LINES AS DEPICTED ON THE PLANS.
- 6. TRANSITION CURBING AT DRIVEWAYS SHALL BE PAID UNDER THE TRANSITION CURB FOR WHEELCHAIR RAMPS ITEM.

ABBREVIATIONS

ALT	_ ALTERNATE
	_BITUMINOUS BERM
BND	
BLDG	
BIT CONC	_ BITUMINOUS CONCRETE
BM	BENCH MARK
BOL	
BRK	
CB	_CATCH BASIN
CS	_COMBINED SEWER
C	
<u> </u>	
	_ CAST IRON PIPE
CMP	_CORRUGATED METAL PIPE
CSMH	_ COMBINED SEWER MANHOLE
CST	
CULV	
CO	
CONC	_ CONCRETE
	_ CONC. LINED DUCTILE IRON
	_ CHAIN LINK FENCE
	_ DUCTILE IRON PIPE
DR	
DMH	_ DRAIN MANHOLE
	_ ELECTRIC MANHOLE
EX	
FAB	_ FIRE ALARM BOX
EOP	_EDGE OF PAVEMENT
GC	_ GRANITE CURB
GG	
GS	
	
	_GALVANIZED IRON PIPE
HW	_ HEADWALL
HSE	
HOR	
HYD	
HP	_ HIGH PRESSURE
LP	_LIGHT POLE
MB	
MH	
MIN	_ MINIMUM
	_ POLYETHYLENE PIPE
PROP	_ PROPOSED
₽	_ APPROXIMATE PROPERTY LINE
	_ REINFORCED CONCRETE PIPE
	_ RETAINING WALL
	_ APPROXIMATE RIGHT OF WAY
RR	_RAILROAD
SB	
S	SIGN
	_SEWER MANHOLE
STA	
S	
SS	_SEWER SERVICE
STL	
SW	SIDEWALK
3 VV	TELEDUONE MANUOLE
IMH	_ TELEPHONE MANHOLE
TR	
TYP	_ TYPICAL
UP	_UTILITY POLE
	_ VITRIFIED CLAY PIPE
VERT	
W	_ WATER MAIN
WG	_ WATER GATE
WD	
WIP	WROUGHT IRON PIPE

_____ WATER SERVICE

WSO _____ WATER SERVICE SHUTOFF

WV _____ WATER VALVE

\triangle	TEMPORARY BENCH MARK
· · · · · · · · · · · · · · · · · · ·	
	EXISTING BUSH/SHRUB
\$ 3574"	EXISTING TREE W/TRUNK DIA.
	EXISTING CATCH BASIN
(D)	EXISTING DRAIN MANHOLE
<u></u>	EXISTING SEWER MANHOLE
(H	EXISTING UNMARKED MANHOLE
X	EXISTING HYDRANT
W	EXISTING WATER GATE VALVE
4 ^S 0	EXISTING WATER SHUT OFF
G∨	EXISTING GAS GATE VALVE
\Diamond	EXISTING LIGHT POST
	EXISTING UTILITY POLE
	EXISTING GUY WIRE ANCHOR
	EXISTING SIGN
0	EXISTING TRAFFIC POLE
	EXISTING TRANSFORMER
-0	EXISTING GUY POLE
MB	EXISTING MAILBOX
	EXISTING BOULDER
•	EXISTING BOUND
0	EXISTING POST
	EXISTING GAS LINE
D	EXISTING DRAIN LINE
W	EXISTING WATER LINE
S	EXISTING SEWER LINE
E	EXISTING ELECTRIC LINE
OHW	EXISTING OVERHEAD WIRE
105	EXISTING 5' CONTOURS
104	EXISTING 1' CONTOURS
130.56 ×	EXISTING SPOT GRADE
<i>EOP</i>	EXISTING EDGE OF PAVEMENT
	EXISTING CURBING
$\neg \bigcirc \bigcirc$	EXISTING FENCE CHAIN OR WIRE
	EXISTING WOOD FENCE
. • • • • •	EXISTING GUARD RAIL
. ~ .	EXISTING VEGETATION LINE
	EXISTING WALL/ RETAINING WALL
	APPROX. PROPERTY LINE

LEGEND

BID SET

TOWN OF CLINTON
NOTES AND LEGEND

GREELEY STREET
CLINTON, MASSACHUSETTS
WORCESTER COUNTY



GCG ASSOCIATES, INC.

WILMINGTON MASSACHUSETTS

SCALE: AS NOTED DATE: MARCH 31, 2021

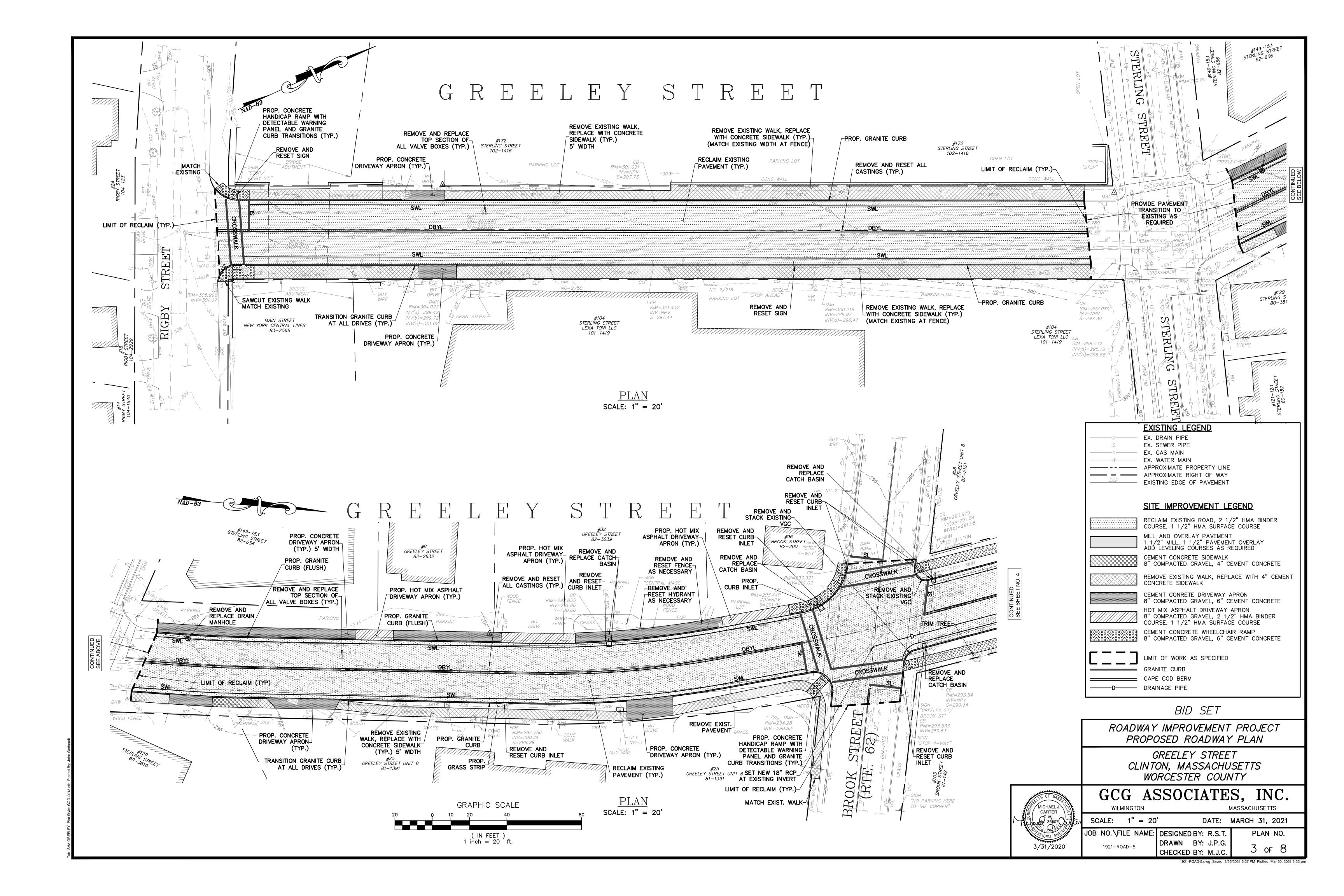
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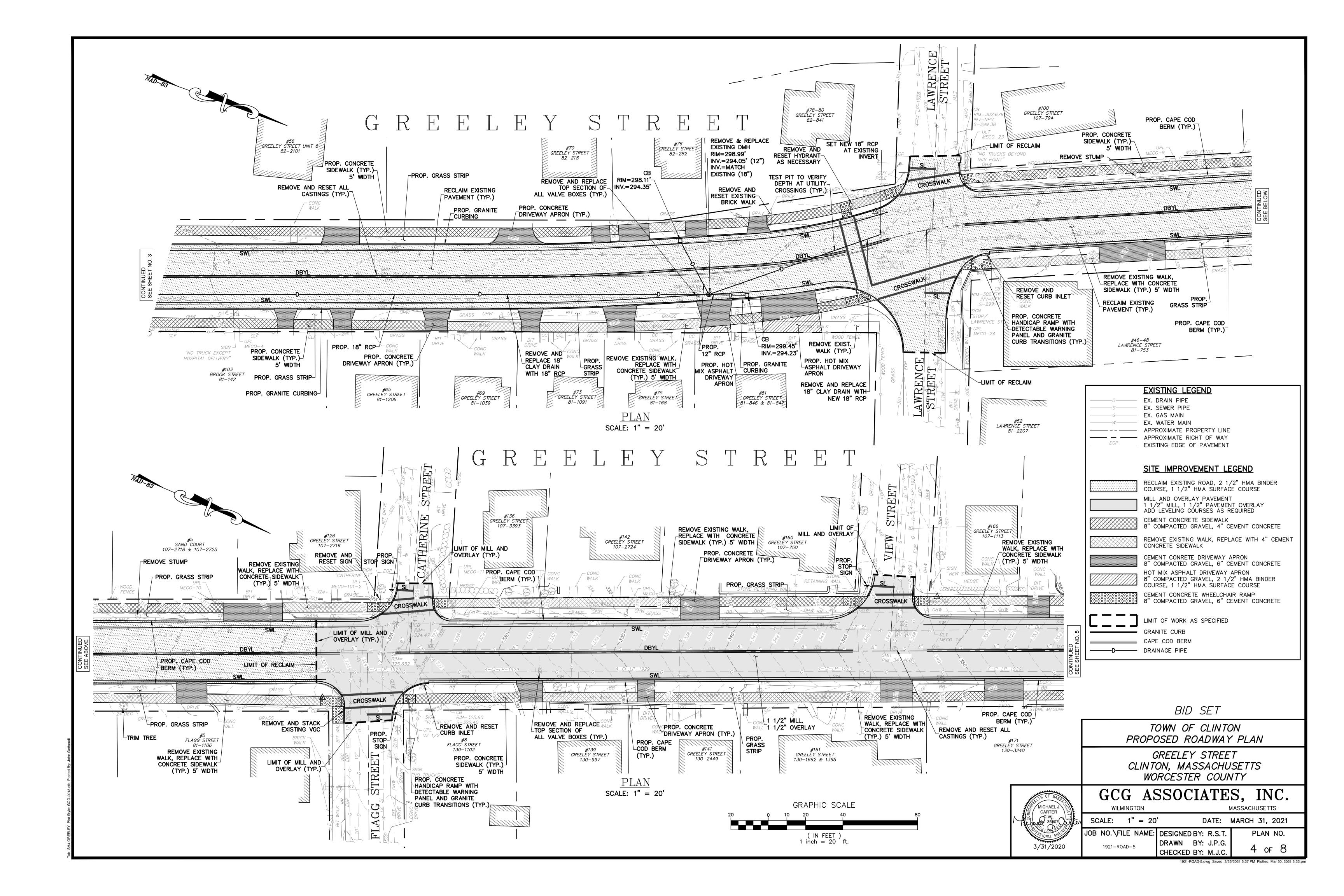
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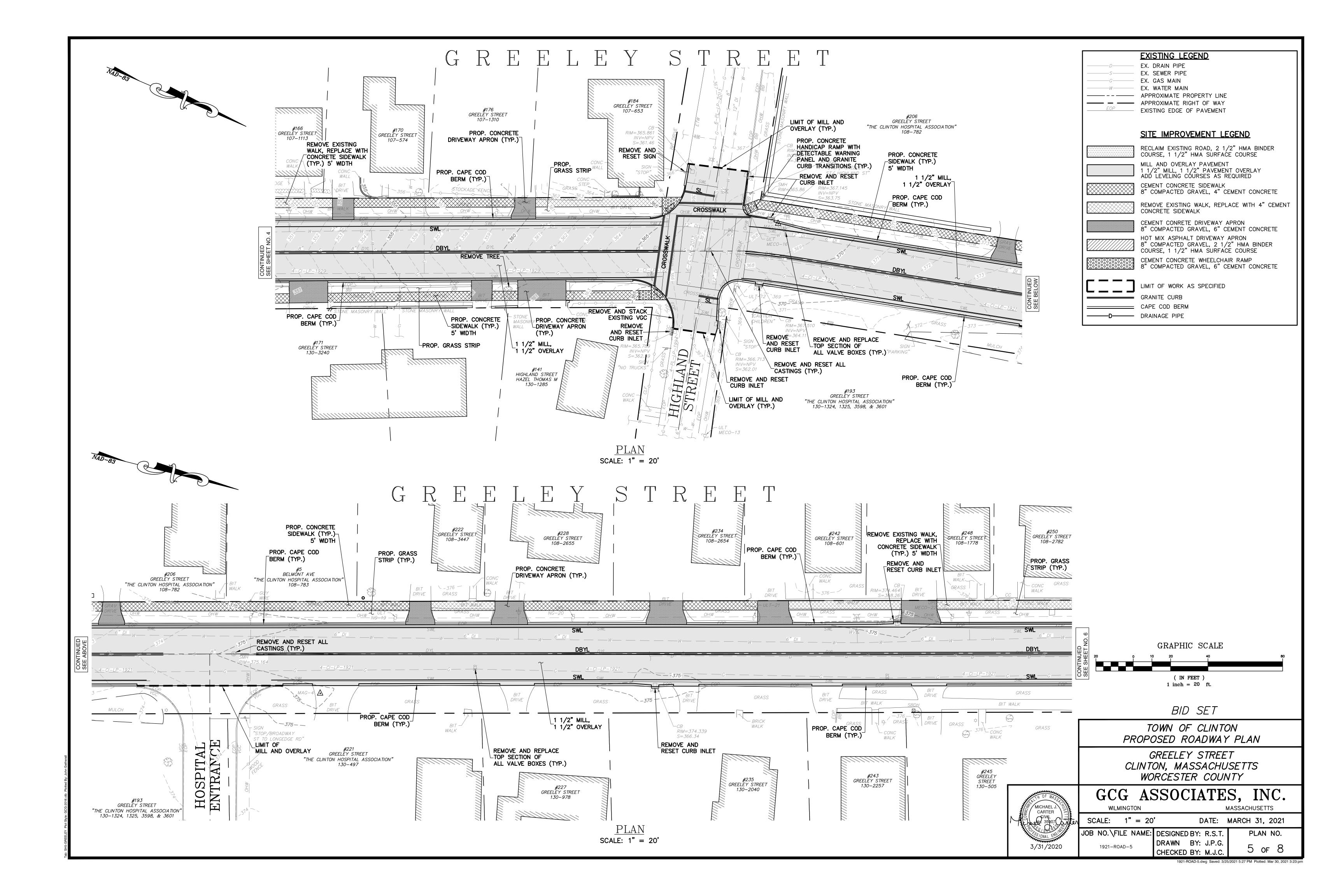
1921-NOTES, LEGEND AND

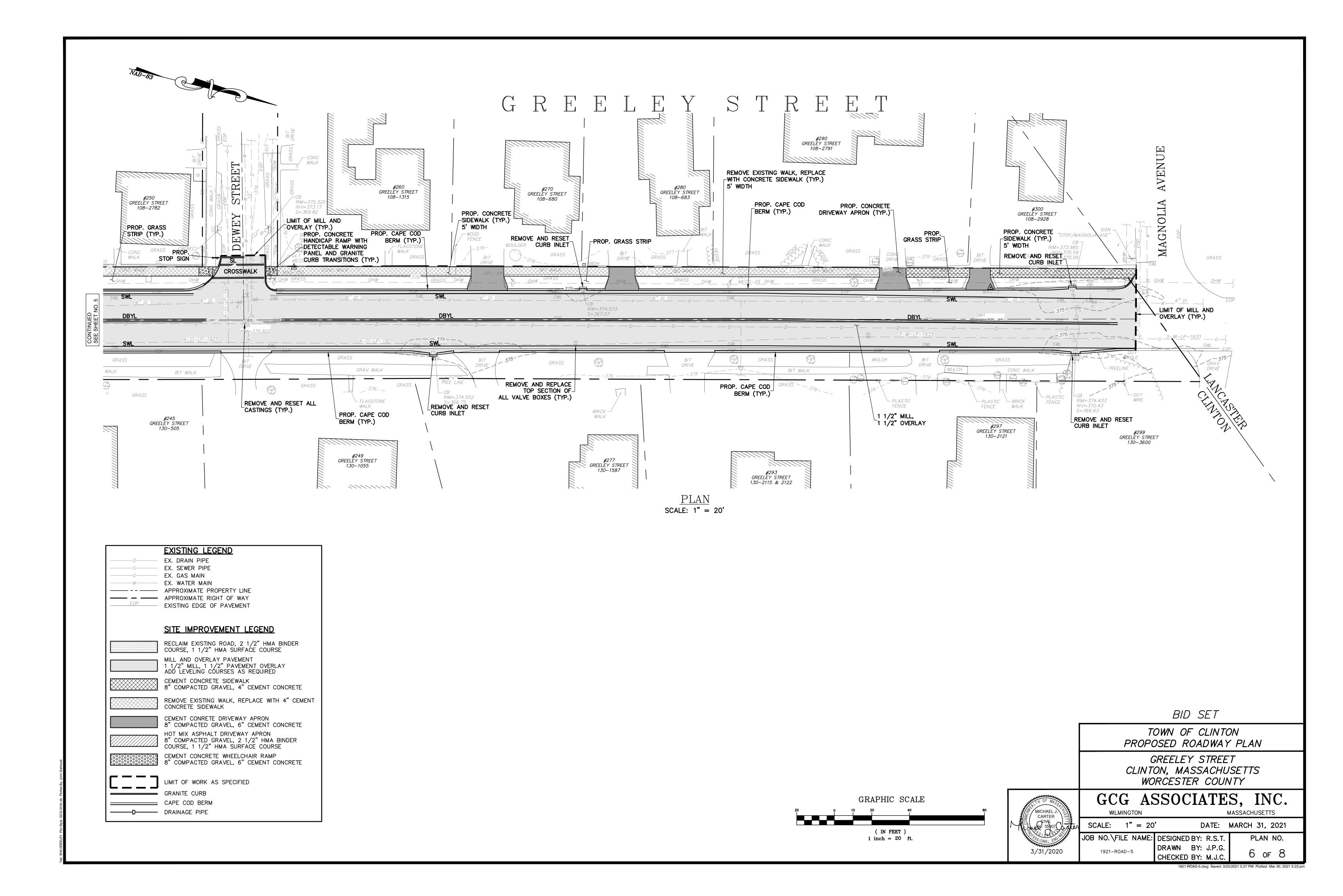
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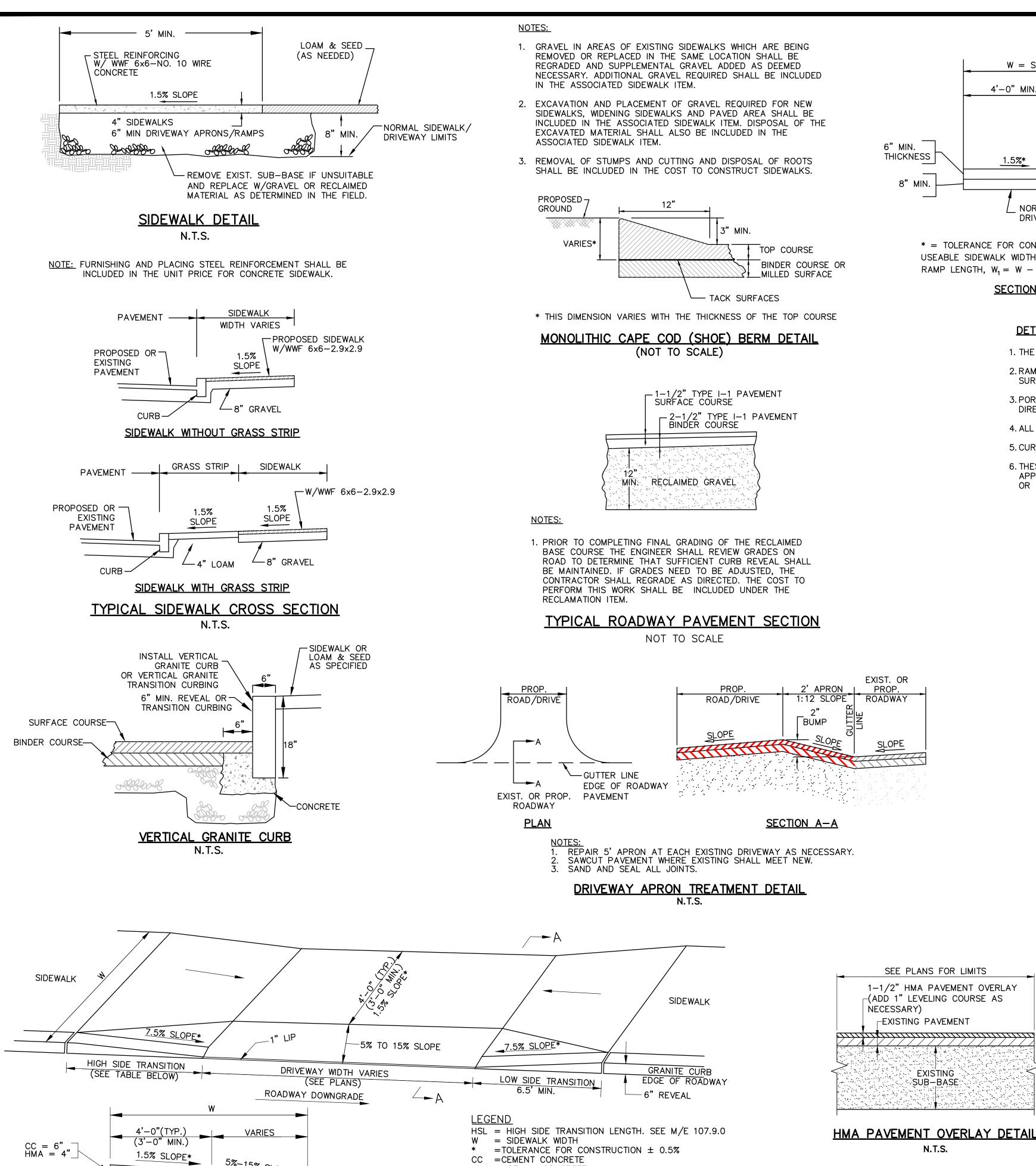
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CC = CEMENT CONCRETE

HMA =HOT MIX CONCRETE

5%-15% SLOPE*

DRIVEWAY

FOUNDATION

SECTION A-A

SIDEWALK THICKNESS

8" MIN.

AT DRIVEWAYS

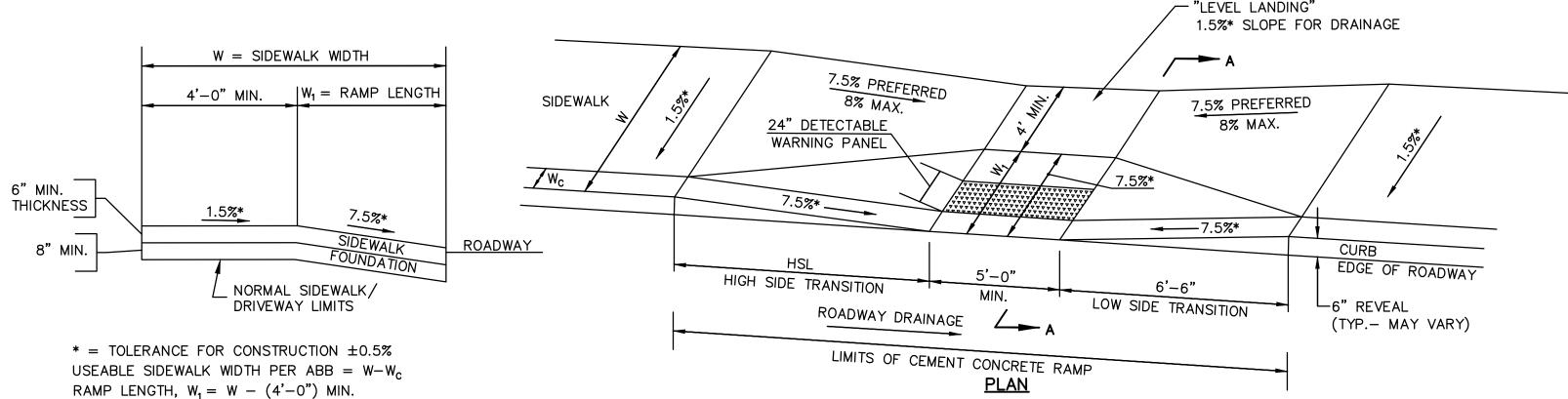
LIP

ROADWAY

SIDEWALK THROUGH DRIVEWAYS WITHOUT

CURB RETURNS

NOT TO SCALE



DETAIL NOTES:

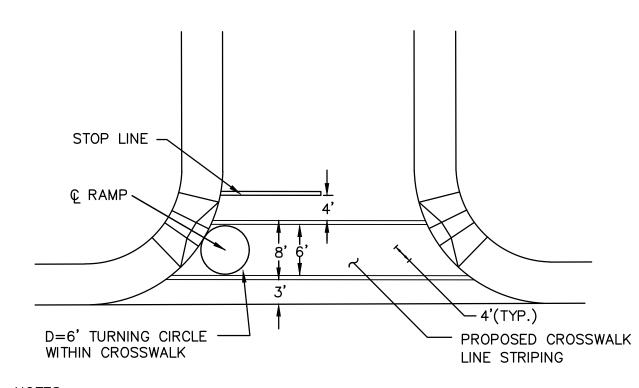
SECTION A-A

- 1. THE DIMENSIONS SHOWN AT ROADWAY EDGE ARE FIXED DISTANCES.
- 2. RAMP CROSS SECTION TO BE SAME AS ADJACENT SIDEWALK; e.g DEPTH OF SURFACES.
- 3. PORTLAND CEMENT CONCRETE RAMPS ARE TO BE TEXTURED BY BROOMING IN A DIRECTION PARALLEL TO THE LENGTH OF THE RAMP.
- 4. ALL HANDICAP RAMPS SHALL BE PORTLAND CEMENT CONCRETE.
- 5. CURBING FOR ALL CONCRETE RAMPS SHALL BE GRANITE CURB.
- 6. THESE DIMENSIONS ARE SUBJECT TO CHANGE IN THE FIELD IF EXISTING APPURTENANCES OR CONDITIONS WILL MAKE THE RAMP LOCATIONS IMPRACTICAL OR UNSAFE.

ROADWAY PROFILE GRADE %	*HIGH SIDE TRANSITION LENGTH
0	6'-6"
> 0 - 1	7'-8"
> 1 - 2	9'-0"
> 2 - 3	11'-0"
> 3 - 4	14'-0"
> 4	15'-0" MAX.

* BASED ON DESIGN SLOPE = 7.5% AND A CURB REVEAL OF 6".

CURB TRANSITION LENGTH FOR WHEELCHAIR RAMPS



1. CROSSWALKS SHALL BE PAINTED AT ALL PAIRED WHEELCHAIR RAMP LOCATIONS WITHIN THE LIMITS OF WORK.

2. THE CROSSWALKS AND STOP LINES SHALL BE PAINTED WITH 12" WIDE, WHITE REFLECTORIZED, EPOXY PAINT IN THE PATTERN SHOWN OR AS DIRECTED BY

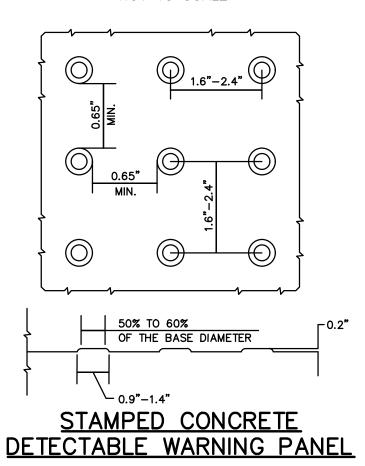
PAIRED WHEELCHAIR RAMP & CROSSWALK DETAIL NOT TO SCALE

WHEELCHAIR RAMP NOTES

- ROADWAY SIDEWALK CROSS SLOPES, FOR BRICK, CEMENT CONCRETE, AND BITUMINOUS CONCRETE, AS INDICATED IN THE STANDARD SPECIFICATIONS, WILL BE 1.5%. A CONSTRUCTION TOLERANCE OF $\pm 0.5\%$ IS ACCEPTABLE ON ROADWAY SIDEWALKS. IN ACCORDANCE WITH 521 CMR THE RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD (AAB), THE SIDEWALK CROSS SLOPE CANNOT EXCEED 2.0%.
- 2. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 3' SHALL BE MAINTAINED PAST ALL OBSTRUCTIONS (UTILITY POLES, SIGNS, SIGNAL FOUNDATIONS AND MASTS, MAILBOXES, ALONG DRIVE OPENINGS, ETC.).
- 3. THE WHEELCHAIR RAMP SLOPES AND SIDE SLOPES (TRANSITIONS) WILL BE 7.5% WITH A CONSTRUCTION TOLERANCE OF $\pm 0.5\%$. HOWEVER, THESE SLOPES MAY BE FLATTER WHEN WARRANTED BY SURROUNDING CONDITIONS.
- 4. IF THE ROAD PROFILE EXCEEDS 4%, THE HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 15'.
- IN NO CASE WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED ON THE TRAFFIC APPROACH SIDE OF THAT STOP LINE.
- 6. FIXED OBJECTS (I.E. UTILITY POLES, HYDRANTS, SIGNS, SIGNAL FOUNDATIONS, ETC.) MUST NOT ENCROACH UPON ANY PART OF THE WHEELCHAIR RAMP INCLUDING TRANSITION
- 7. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE THE CROSSWALK OR PEDESTRIAN TRAVEL PATH. THE WHEELCHAIR RAMP ENTRANCE IS TO BE CENTERED IN THE CROSSWALK OR PEDESTRIAN TRAVEL PATH WHENEVER POSSIBLE.
- 8. CATCH BASINS WHICH ARE IN THE VICINITY OF A WHEELCHAIR RAMP SHALL BE LOCATED UPGRADE OF THE RAMP ENTRANCE.
- 9. THE ENTRANCE OF A WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
- 10. TESTING SURFACE: WHEN TESTING WITH A STRAIGHTEDGE PLACED PARALLEL TO THE LINE OF THE SLOPE THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF
- 11. SIDEWALK CONSTRUCTION SHALL BE IN CONFORMANCE WITH MASS HIGHWAY CONSTRUCTION STANDARDS FOR WHEELCHAIR RAMPS.

TYPICAL WHEELCHAIR RAMP CONDITION

NOT TO SCALE



NOT TO SCALE

BID SET

TOWN OF CLINTON CONSTRUCTION DETAILS I

GREELEY STREET CLINTON, MASSACHUSETTS WORCESTER COUNTY



GCG ASSOCIATES, INC.

MASSACHUSETTS WILMINGTON DATE: MARCH 31, 2021 SCALE: AS NOTED

JOB NO.\FILE NAME: DESIGNED BY: J.P.G. DRAWN BY: J.P.G. 1921-NOTES, LEGEND AND DETAILS

of 8 CHECKED BY: M.J.C. 921-NOTES, LEGEND AND DETAILS.dwg Saved: 3/30/2021 3:21 PM Plotted: Mar 30, 2021 3:21:pr

PLAN NO.

